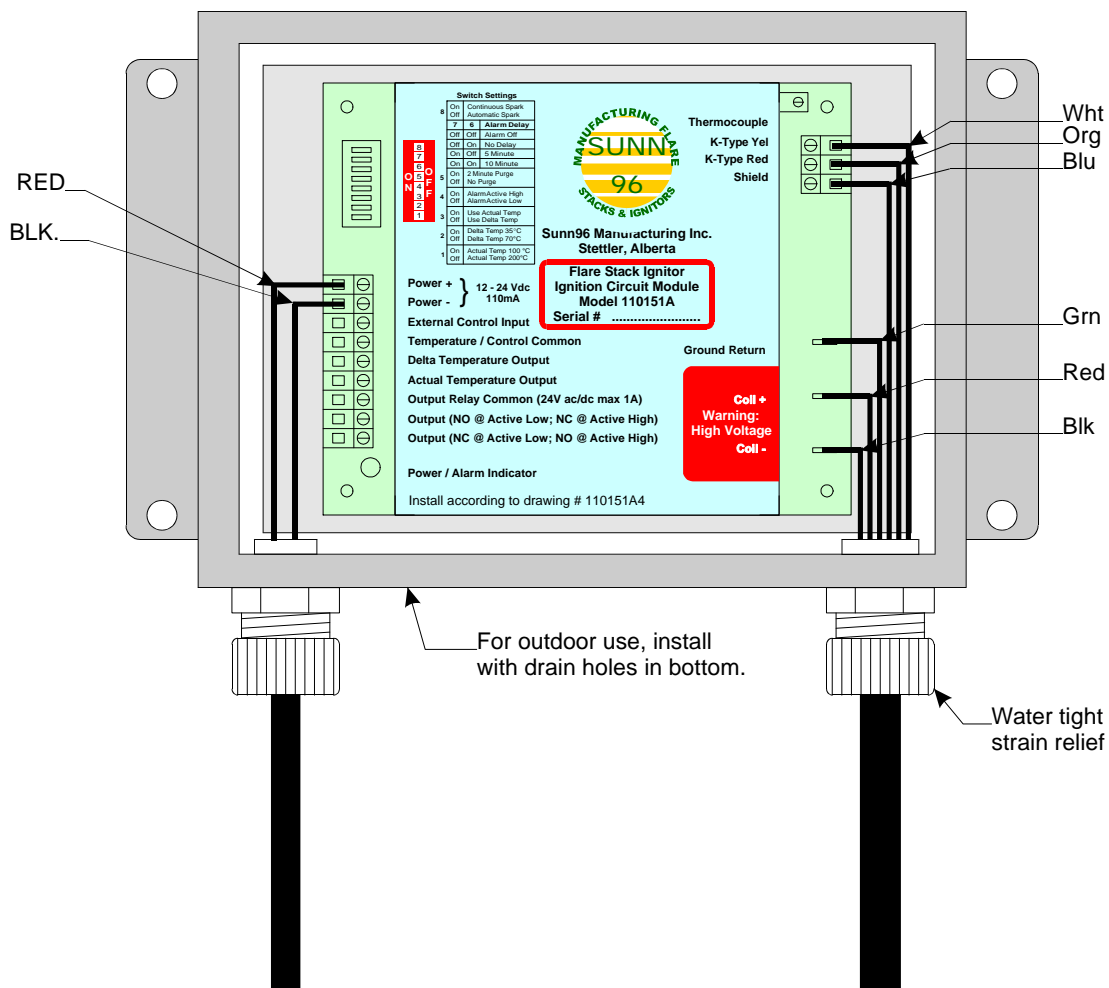


INSTALLATION INSTRUCTIONS FOR SUNN 96 IGNITION CIRCUIT MODULE 110151A

Installation must be done in accordance with all local requirements for electrical equipment installed in a zone near a flare stack and operating from an approved Class II power system.

Mount the Ignition Circuit Module onto baseplate with 0.375" spacers and #6 machine screws. Hole pattern is 4.00" x 5.00". Use 8" x 6" x 3" (or larger) enclosure; CSA Enclosure 1 for indoor use and CSA Enclosure 3 or 3X for outdoor use.



Power, Signal, Control wire to Power Source and Optional Control Display Module 110151C.
 18gu for < 50m
 16gu for < 150m
 14gu for < 300m
 Power must be supplied by one of the following:

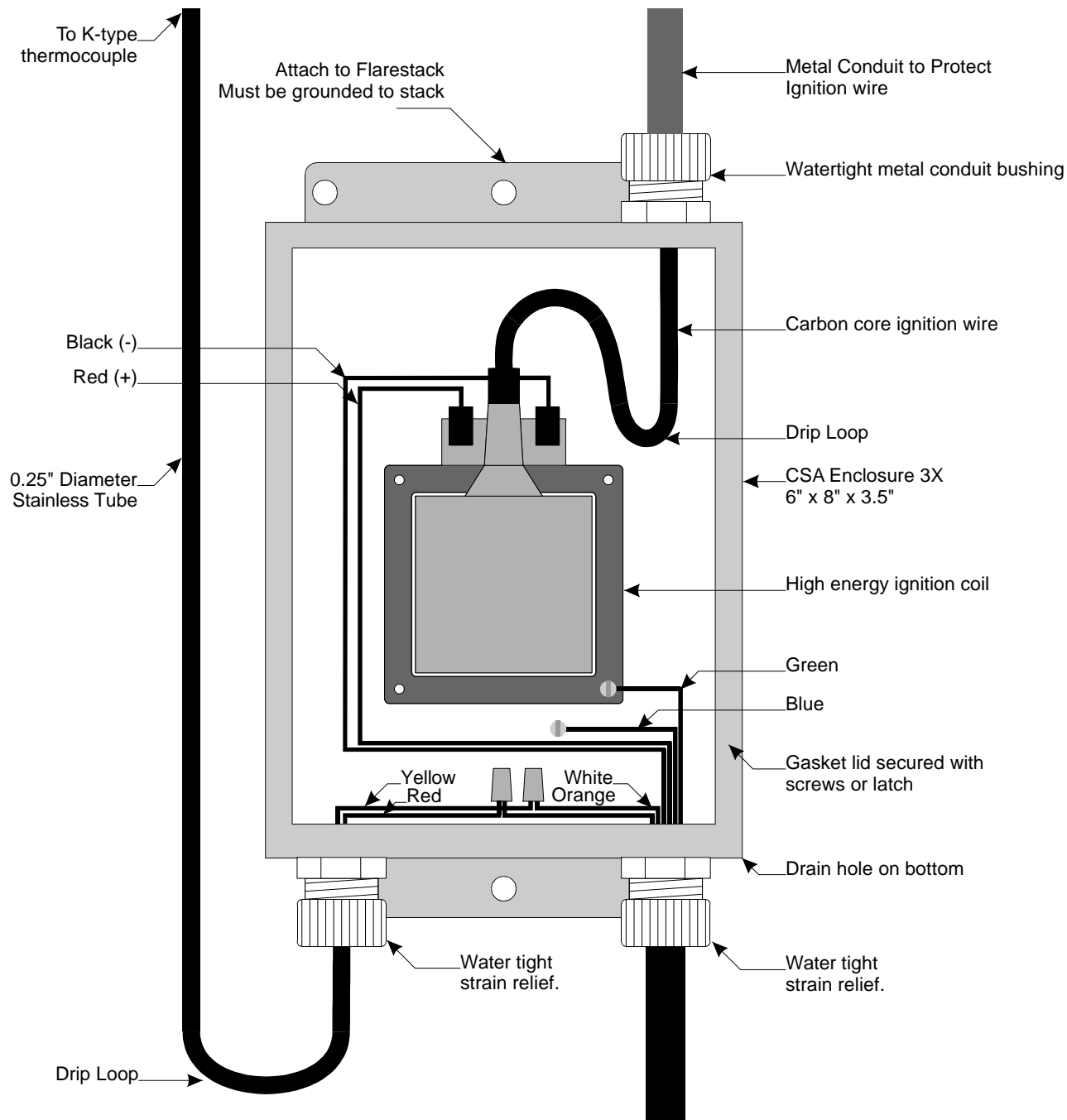
Control, Signal wire to High Voltage Ignition Transformer mounted on the Flare Stack.
 SOW or SJOW 300V
 18gu for < 50m
 16gu for < 150m
 14gu for < 300m

Power Source 12 Volts dc nominal (10V - 16V measured at the terminal strip) Module stops sparking if the supply voltage is < 10V to prevent damage to batteries on Solar applications.

- Current draw while continuous sparking is 110ma from 12V source.
- Current draw during automatic operation (after the thermocouple senses pilot flame) is <10ma from 12V source.
- use CSA Approved Class II 120Vac to 12Vdc DC power adaptor, 250ma minimum.
- use CSA Approved Class II 120Vac to 12V - 16Vac 12VA output, rectifier is built onto the module..
- use 12 Volt deep cycle lead-acid or Gel-Cell battery, requires 100 Amp-hr capacity to operate in continuous spark mode for 25 days, derate battery capacity at extreme temperatures. Battery life will be substantially longer if operated in automatic mode (thermocouple senses pilot flame).
- use on 12 Volt solar charged battery system with 100 Amp-hr storage battery and 25 Watt Solar Panel if operating in continuous spark mode in Central Alberta. Increase solar panel size and battery capacity for extreme weather applications and according to the latitude of the installation. If operating in a typical automatic mode (thermocouple senses pilot flame), solar panel wattage and storage battery capacity can be reduced by a factor of two.

INSTALLATION INSTRUCTIONS FOR SUNN 96 IGNITION CIRCUIT MODULE 110151A

Mount the High Energy Ignition Coil onto baseplate with 1" spacers and #6 machine screws. Hole pattern is 2.70" x 2.70".



Control, Signal wire to Ignition Circuit Module
 SOW or SJOW 300V
 18gu for < 50m
 16gu for < 150m
 14gu for < 300m

Warning:

The high voltage spark current from the spark plug must return to the circuit module to complete the circuit. There are 2 ground return wires in the cable to ensure this ground connection is reliable. If the ground connection fails, the module could be damaged.